# SONY

# *Cordless Telephone Clock Radio*

Operating Instructions

## Clear*Scan* 25
Automatic Channel Selection

## *SCT-250*

# SAVE THESE INSTRUCTIONS

## INFORMATION FOR GENERAL TELE-PHONES

(1) This equipment complies with Part 68 of the FCC rules.
On the bottom of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number(REN) for this equipment. If requested, this information must be provided to the telephone company.

(2) The applicable registration jack(connecter) USOC-RJ11C is used for this equipment.

(3) This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 compliant. The FCC compliant telephone cord and modular plug is provided with this equipment.

(4) The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five(5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.

(5) If your equipment (SCT-250) causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required.
But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

(6) The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

(7) If trouble is experienced with this equipment (SCT-250), for repair or warranty informa-tion, please contact Sony Direct Response Center Tel 1-800-222-7669. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

(8) All repairs will be performed in an authorized Sony service station.

(9) This equipment cannot be used to party lines or coin lines.

(10) This equipment is hearing aid compatible.

**If your telephone is equipped with automatic dialers.**
When programming emergency numbers and(or) making test calls to emergency numbers:
1. Remain on the line and briefly explain to the dispatcher the reason for the call.
2. Perform such activities in the off-peak hours, such as early morning or late evenings.

**CAUTION**
The cordless telephone operates at a frequency that may cause interference to nearby TVs and VCRs; the base unit should not be placed near or on top of a TV or VCR; and, if interference is experienced, moving the cordless telephone further away from the TV or VCR will often reduce or eliminate the interference.

Industry Canada NOTICE
The Industry Canada label identifies certified
equipment.
This certification means that the equipment meets
certain telecommunications network protective,
operational and safety requirements as prescribed
in the appropriate Terminal Equipment Technical
Requirements document(s). The Department does
not guarantee the equipment will operate to the
user's satisfaction.
Before installing this equipment, users should
ensure that it is permissible to be connected to the
facilities of the local telecommunications company.
The equipment must also be installed using an
acceptable method of connection. The customer
should be aware that compliance with the above
conditions may not prevent degradation of service
in some situations.
Repairs to certified equipment should be
coordinated by a representative designated by the
supplier. Any repairs or alterations made by the
user to this equipment, or equipment malfunctions,
may give the telecommunications company cause
to request the user to disconnect the equipment.
Users should ensure for their own protection that
the electrical ground connections of the power
utility, telephone lines and internal metallic water
pipe system, if present, are connected together.
This precaution may be particularly important in
rural areas.
Caution: Users should not attempt to make such
connections themselves, but should contact the
appropriate electric inspection authority, or
electrician, as appropriate.
"NOTICE : The Ringer Equivalence Number (REN)
assigned to each terminal device provides an
indication of the maximum number of terminal
allowed to be connected to a telephone interface.
The termination on an interface may consist of any
combination of devices subject only to the
requirement that the sum of the Ringer Equiva-
lence Number of all the devices does not exceed 5."

IMPORTANT INSTRUCTIONS TO USERS
• Your model SCT-250 has been approved by the
  Industry Canada.
• The Ringer Equivalence Number (REN) of your
  model is 0.3.

Operation is subject to the following two
conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference,
    including interference that may cause
    undesired operation of the device.
Privacy of communications may not be ensured
when using this telephone.

Your SCT-250 has been assigned a permanent and
unique digital security code out of possible one
million codes, during its manufacture.

## Installing the Battery

To keep good time, your unit needs one 6F22 battery (not supplied), in addition to house current. The battery keeps the clock operating in the event of a power interruption. Before setting the time on your unit, open the lid at the bottom of the unit, install the battery with correct polarity and then close the lid.

• After a power interruption, the displayed time may not be always correct (it may gain or lose about 10 minutes per hour).

### Knowing when to replace the battery

• To check battery power, unplug the power cord from the wall outlet and plug it in again after a few minutes. If the displayed time is incorrect, replace the battery with a new one.

## Setting the Clock and the Date

### Setting the clock

**1** Plug in the unit.
The display will flash "AM 12:00".

**2** While holding down **CLOCK**, press **TIME SET +** or – until the correct time appears in the display.
When you release **CLOCK**, the clock begins to operate.

• To set the current time rapidly, keep pressing the + or – button while holding down **CLOCK**.

### Setting the Date

**1** While holding down **SNOOZE/DATE/ SLEEP OFF**, press **TIME SET +** or – until the correct date appears in the display. Then, release **SNOOZE/DATE/SLEEP OFF**.

• To display the date, press **SNOOZE/DATE/ SLEEP OFF**. The display returns to the current time when you release **SNOOZE/DATE/SLEEP OFF**.

## Playing the Radio

**1** Press **RADIO ON/SLEEP**.
**2** Select **FM** or **AM** using **BAND**.
**3** Tune in a station using **TUNING**.
**4** Adjust volume using **VOL**.

• To turn off the radio, press **RADIO OFF/ ALARM RESET/OFF**.

> If you answer a call or wish to place a call while your clock radio is playing, the radio automatically "mutes"(stops playing). (See Making Calls in detail.)

• To improve radio reception
**FM**: Since the antenna is encased in the AC power cord, extend the cord to improve FM reception.
**AM**:Rotate the unit horizontally for optimum reception. A ferrite bar antenna is built into the unit.

## Telephone Line Connection

If your telephone jack is not a modular type, please contact your telephone company for assistance.



**To a wall outlet**

**To TEL LINE**

**Telephone line cord (supplied)**

**To telephone outlet**
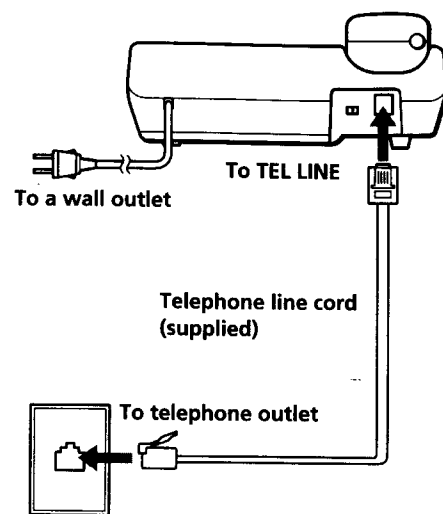
### IMPORTANT INSTALLATION INSTRUCTION

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet location unless the jack is specifically designed for wet location.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

### Note

• Connect the electric plug to continuous power supply. If the telephone is connected to a wall outlet where power is cut off every night, the battery pack will not be charged, the digital security code and all programmed numbers will be lost from memory.

## Selecting the DIAL MODE (pulse or tone)



T: For a tone type phone line

P: For a pulse dial phone line
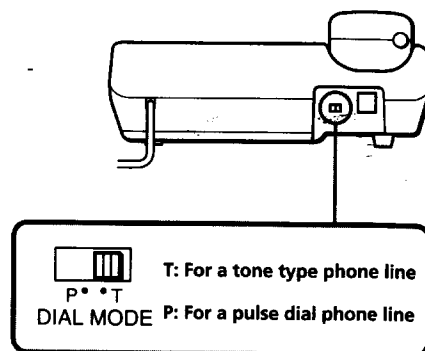
DIAL MODE

If you do not know which setting is correct for your telephone line, check as follows.

**1** Make a trial call with the **DIAL MODE** switch set to **T**.
**2** If the call is connected, leave the switch at **T**.
Otherwise, set the switch to **P**.

To set the radio alarm, first tune in a station and adjust the volume.

**1** While holding down **ALARM A RADIO** (for the radio) or **B BUZZER** (for the buzzer), press **TIME SET +** or **–** until the desired time appears in the display. When you release **ALARM A** or **B**, the **ALARM A** or **B** indicator stops flashing and lights up, and the current time appears in the display.
The alarm will come on at the preset time and automatically turn itself off after 59 minutes.

- If you set **ALARM A** and **ALARM B** at the same desired time, only **ALARM A** will work.
- To shut off the alarm, press **RADIO OFF/ ALARM RESET/OFF**.
The alarm will come on at the preset time the next day.
- To cancel either alarm, while holding down the **ALARM A** or **ALARM B** button, press **RADIO OFF/ALARM RESET/OFF**.
- To adjust the radio alarm volume, turn **VOL** (volume).
- To check the preset time, press **ALARM A** or **B**.

**To doze a few more minutes**

**1** Press **SNOOZE/DATE/SLEEP OFF**.
The alarm will shut off, but will come on again after about 6 minutes. You can repeat this process as many times as you like.

- You can reset the alarm time while activating the snooze function.

**To use both sleep timer and alarm function**

You can fall asleep to the radio sound and you will be awakened by the radio alarm at the preset time.

**1** Set the alarm. (See "Setting the Alarm")

**2** Set the sleep timer. (See "Setting the Sleep Timer")

## Setting the Sleep Timer

Enjoy falling asleep to the radio using the built-in sleep timer that shuts off the radio automatically at a preset time.

**1** Press **RADIO ON/SLEEP**.
The radio turns on. It will go off after the preset time has passed. You can set the sleep timer of 90, 60, 45, 30 or 15 minutes.
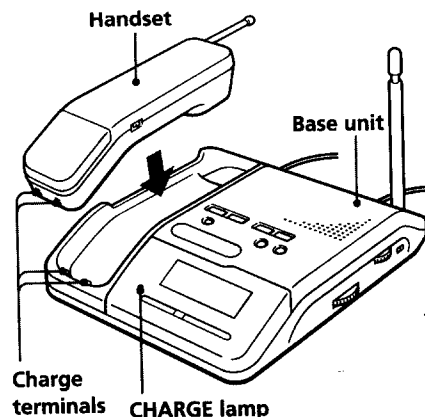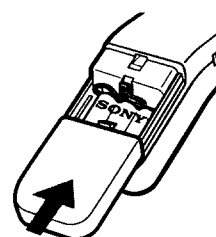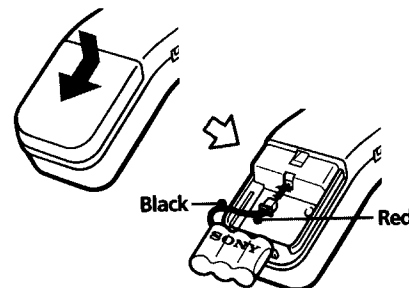Every push changes the display as follows.

Current time→On→ 90 → 60 ⌐
⌐— 15 ← 30 ← 45 ←⌐
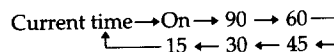
The radio will play for the time you set, then shut off.

- To turn off the radio before the preset time, press **SNOOZE/DATE/SLEEP OFF**.

## Charging the Battery Pack in the Handset

Before initial use, charge the supplied rechargeable battery pack.



Black — Red

Handset

Base unit

Charge terminals    CHARGE lamp

## Charging the Battery Pack

**1** Slide open the battery compartment lid pushing it downward.

**2** Connect the battery connector with correct polarity (black and red cords).

**3** Insert the battery pack and close the lid.

**4** Place the handset on the base unit and charge the battery pack for more than 12 hours.
The **CHARGE** lamp lights up when the handset is fully seated onto the charge terminals of the base unit. The **CHARGE** lamp remains lit even after charging is completed.

### Notes on charging
- Clean the charge terminals with a soft cloth about once a month, otherwise, the handset may not be fully charged.
- The battery pack will gradually discharge over a long period of time, even if not in use.
- The battery works best when charged every two or three days. For best performance, do not return the handset to the base unit after every call. If the battery runs out completely, the speed dial numbers and the digital security code will be erased. If this happens, charge it on the base unit for over 12 hours.
  Then reprogram the speed dial numbers, and assighn a new digital security code (see "Setting the digital security code"). You may need to charge the battery several times before it is recharged to its full capacity.

### Battery life
See "Specifications".

### If the handset battery becomes weak
- A beep tone will be heard every 3 seconds with the **TALK/BATT LOW** lamp flashing at the same time. Finish your call and charge the battery pack. If this occurs, you cannot use the handset without charging it for more than a minute.

### When to replace the battery
- If the battery lasts only for a few minutes even after 12 hours of charging, it needs replacement.
- To purchase a replacement battery, please contact your local Sony authorized dealer or service center, and ask for a **Sony BP-T16** rechargeable battery.
- When you replace the battery, be sure to replace it within several minutes Otherwise, the digital security code and all stored numbers will be erased.

# Setting the Digital Security Code

A random Digital Security Code is automatically set when you initially charge the battery pack.

This procedure will change the code in both the base unit and the handset. The code can be changed as often as desired. If you wish to change the setting, pick up the handset from the base unit and set as follows:

**1** Press (PROGRAM).
The **TALK/BATT LOW** lamp flashes.

**2** Press (#).
You will hear a confirmation beep.

**3** Press any 3 digit number between 001 to 999 by using the dialing keys to store a new code.

**4** Press (PROGRAM) again.
You will hear a long confirmation beep and the **TALK/BATT LOW** lamp goes off.

**5** Immediately place the handset on the base unit to complete the code change. You will hear a long confirmation beep and the phone stores the new code.

# Redialing a Number

If the line is busy when you call someone, or you want to call someone you just called, there is no need to dial the number again manually.

**1** Press (TALK) and wait until the **TALK/BATT LOW** lamp lights up.

**2** Press (REDIAL/PAUSE) to redial the number last dialed.

### Note
You can redial a phone number of up to 32 digits.

### To erase the last phone number dialed
Press (REDIAL/PAUSE) twice. The number will be erased from the memory, and you'll hear a long confirmation beep.

# Using Call Waiting (FLASH feature)

If you subscribe to a "call waiting service", press (FLASH) to switch from one party to the other.

### Note
If you do not have this service, the line will be disconnected when (FLASH) is pressed.

# Changing Channels for Better Reception

When you hear interference noise during conversation on the handset, bring the handset closer to the base unit.

If interference still persists, press (CHANNEL) of the handset to select an alternative channel.

### Note
If you hear five short beeps when you press (CHANNEL), move closer to the base unit.

# Using Touch-Tone Services with the Pulse Dialing System

Some services require you to use touch-tone. This is not a problem if your phone already uses tone dialing. If your phone uses pulse dialing, however, you need to follow the steps below to use these services.
For details on making calls, see the "Making calls" section.

**1** Dial the service's number.
**2** When connected to the service, press TONE (✱).
**3** Press the dialing keys as required.
The line will remain in tone dialing until disconnected.

**Note**
- If the battery pack in the handset is completely discharged, or removed from the handset for more than several seconds, this will erase the digital security code. If this happens, charge the battery pack and a new security code will be automatically assigned.

# Making Calls

**1** Pick up the handset from the base unit.
**2** Press (TALK), and wait until the **TALK/ BATT LOW** lamp lights up. Then you hear dial tone. If you hear beeps, move closer to the base unit.
**3** Dial the phone number.
**4** When you have finished, press (OFF) or replace the handset on the base unit to disconnect.

**Notes**
- If you answer a call or wish to place a call while your clock radio is playing, the radio automatically "mutes". The radio will resume playing as soon as you have disconnected your call by replacing the handset on the base unit or pressing and releasing (OFF).
- Every time you press (TALK), the dial light lights up.
  The light turns itself off in 10 seconds after you press the last number.
- If you hear beeps during the conversation, move closer to the base unit; otherwise, the call will be disconnected after 15 seconds. Note that, however, you may not hear beeps if it is noisy on the handset.

# Receiving Calls

**1** When you hear the ring, press (TALK) (or any key except (OFF)) or pick up the handset from the base unit when the handset is placed on the base unit.
The **TALK/BATT LOW** lamp lights up.
**2** When you have finished, press (OFF) or place the handset on the base unit to disconnect.

**To adjust the volume level of the handset during conversation**
Normally set **VOL** to **NORMAL**. If the sound is small set to **HIGH**.
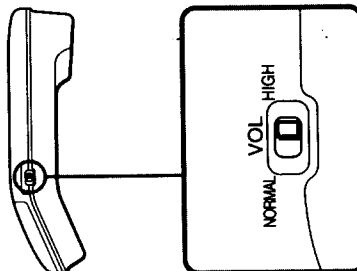
# Speed Dialing

You can dial with a touch of a few keys by storing a phone number on a dialing key.

## Storing Phone Numbers

**1** Press (PROGRAM).
The **TALK/BATT LOW** lamp flashes.
**2** Press (SPEED DIAL).
**3** Press one of the dialing keys ( (0) to (9) ) to store a phone number on. You will hear a confirmation beep.
**4** Enter the phone number you want to store.
You can enter a number up to 16 digits, including a tone and a pause, each of which is counted as one digit.
**5** Press (PROGRAM).
You will hear a long confirmation beep, and the number is stored. The **TALK/ BATT LOW** lamp goes off.

**To change a programmed number**
Program a new number using the procedure above. The old number will be erased automatically.

**Notes**
- Do not let more than 20 seconds elapse between any two steps of the programming procedure.
- If you enter a wrong number, press(PROGRAM) first and then go back to step 1.

**Tips**
- You can attach the supplied directory on the handset.
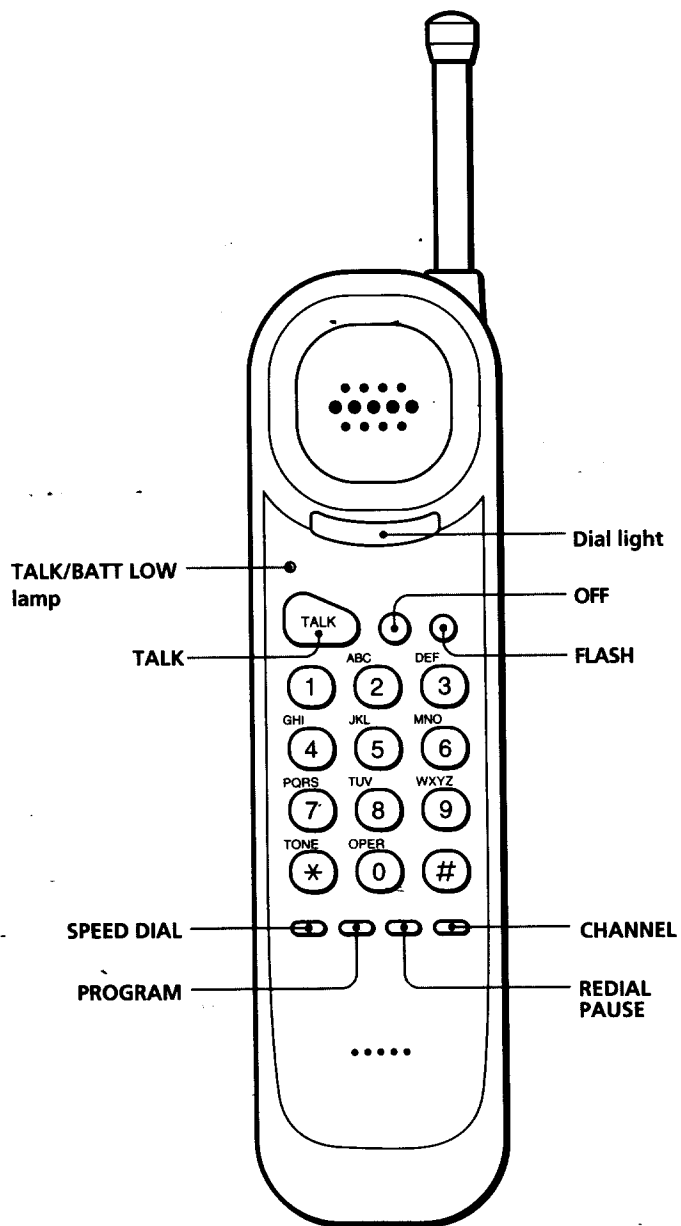- You can't receive calls while you're storing numbers.

**To store a number to be dialed via Private Branch Exchange (PBX)**
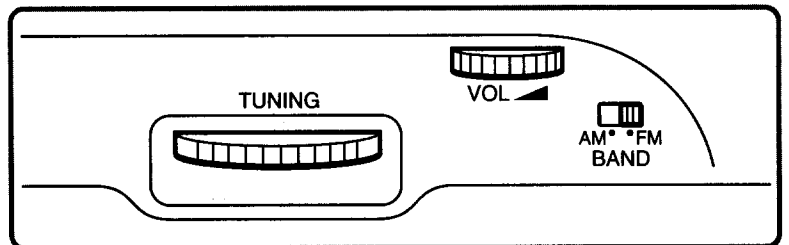Before entering a phone number in Step 4, do as follows:
**1** Enter the outside line access digit (e.g., 9).
**2** Press (REDIAL/PAUSE).

## Making Call Through Speed Dialing

**1** Press (TALK) and wait until the **TALK/ BATT LOW** lamp lights up.
**2** Press (SPEED DIAL).
**3** Press the desired speed dialing number ( (0) to (9) ). The phone number stored in the speed dialing number will be dialed.

TALK/BATT LOW
lamp

TALK

SPEED DIAL

PROGRAM

Dial light

OFF

FLASH

ABC
DEF

GHI
JKL
MNO

PQRS
TUV
WXYZ

TONE
OPER

CHANNEL

REDIAL
PAUSE

**(RADIO)**

OFF    ON/SLEEP

**(ALARM)**

Ⓐ RADIO    Ⓑ BUZZER

ALARM RESET/OFF ··························•···········•

CLOCK

− TIME SET +

SNOOZE/DATE/SLEEP OFF

Telephone
line cord

Handset

Telescopic
antenna

AC power
cord

Base unit

CHARGE lamp

TUNING

VOL ◢

AM• •FM
BAND
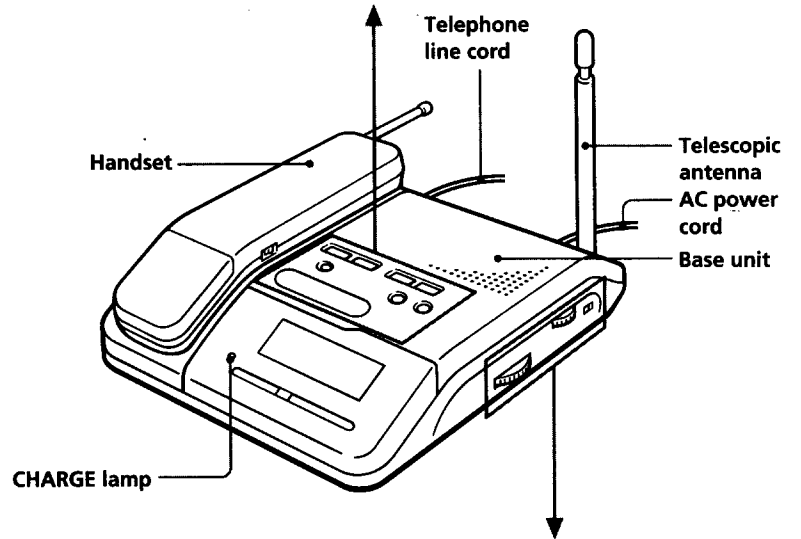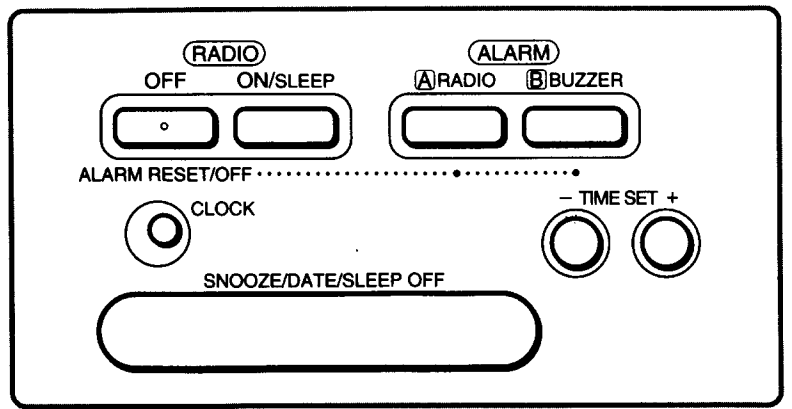
# Before You Begin

Thank you for choosing the Cordless Telephone Clock Radio! The Cordless Telephone Clock Radio will give you many hours of reliable service and listening pleasure.
Before operating the unit, please read these instructions thoroughly and retain them for future reference.

# Features

## Cordless telephone
- Automatically scans and selects a unused channel from the 25 channel transmission
- Dial light
- Compander prosound™

## FM/AM clock radio
- Dual alarm
- Date display

# Precautions

- Operate the unit on the power sources specified in "Specifications".
- Before initial use, insert the rechargeable battery into the battery compartment of the handset and charge it.
- To disconnect the power cord, pull it out by the plug, not the cord.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that block the ventilation holes.
- Do not place the base unit on or near a TV set or a personal computer to avoid interference.
- Do not install the base unit in a location near a heat source such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.
- Should any liquid or solid object fall into the base unit, unplug the unit and have it checked by qualified personnel before operating the unit any further.
- This unit is designed and approved for single party lines only. It should not be connected to multiple lines or a coin telephone.
- To clean the casing, use a soft cloth dampened with a mild detergent solution.

## Battery warning
When the unit will be left unplugged for a long time, remove the battery to avoid undue battery discharge and damage to the unit from battery leakage.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

# Troubleshooting Guide

Should any problem persist after you have made following checks, consult your nearest Sony dealer.

## The handset does not make or receive a call.
- Reset the digital security code.
- Place the base unit away from noise sources such as TV, FM radio or PC.
- Make sure the base unit is connected to an AC outlet.
- The battery pack may be discharged. Charge the battery pack for about 12 hours.

## You hear no dial tone.
- Make sure the telephone cord is securely connected to the telephone outlet.

## The handset doesn't connect at all, even the numbers you dial are correct.

**The handset does not redial correctly.**
• Make sure the number (including the tone and pause digits, if used) you last dialed is less than 32 digits.

**The handset does not make a speed dialing call.**
• Make sure there is a phone number correctly stored in the speed dialing.
• Store the desired phone number once more.

**The handset does not ring.**
• Make sure the base unit is connected to an AC outlet.

**You hear a beep every 3 seconds and the TALK/BATT LOW lamp flashes.**
• Charge the battery pack for about 12 hours.

# Specifications

**•Clock radio**
**Frequency range:**
  FM: 87.5-108 MHz
  AM: 530-1,605 kHz
**Speaker:**
  Approx. 6.6 cm (2 $^5/_8$ inches)dia. 8 ohms
**Power output:**
  120 mW (at 10% harmonic distortion)

**•Telephone general**
**Frequency control:**
  Crystal-controlled PLL
**Operating channel:**
  25 channels
**Operation mode:**
  FM duplex

**•Handset**
**Power source:**
  Rechargeable battery pack BP-T16
**Battery life:**
  Approx. 14 days at standby mode
  Approx. 6 hours at talk mode
**Dimensions:**
  Approx. 58 x 218.2 x 60.6 mm(w/h/d)
  (2 $^3/_8$ x 8 $^5/_8$ x 2 $^1/_2$ inches)
  not incl. projecting parts
**Mass:**
  Approx. 260 g (9.2 oz) incl. battery

**•Base unit**
**Power requirements:**
  120 V AC, 60 Hz
**For power backup:**
  9V DC, one 6F22 battery (Functions for clock radio only)
**Battery life:**
  Approx. 35 hours using the Sony S-006P (U) battery
**Dimensions:**
  Approx. 195 x 62.5 x 223 mm(w/h/d)
  (7 $^1/_2$ x 2 $^1/_2$ x 8 $^2/_3$ inches) incl.
  projecting parts and controls
**Mass:**
  Approx. 950 g (2 lb 2 oz) not incl. battery

**•Supplied accessories**
**Supplied accessories:**
  Telephone line cord (1)
  Rechargeable battery pack BP-T16 (1)